ANTHRACT

1958

(2)

FAMILY

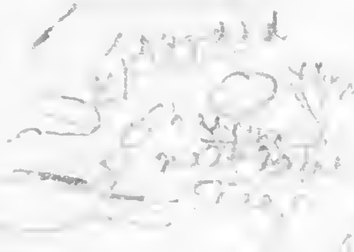
BOARD OF

INTERNAL MEDICINE

EXAMINERS

Mt. "[illegible]" (West side)
12/11/58.

[illegible] of [illegible] [illegible] green [illegible] &
felsp - pyrox [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] to [illegible]
[illegible]



[illegible] dk brown [illegible]
[illegible] [illegible] [illegible]
Green [illegible] [illegible]
[illegible] [illegible] [illegible]
comp
[illegible] pyrox [illegible]
[illegible] Pyrox common [illegible]
[illegible] [illegible] ([illegible]). These [illegible]
[illegible] [illegible] [illegible] [illegible]
also sheared [illegible] [illegible] strike
[illegible] [illegible] [illegible] dip [illegible]. at
[illegible] [illegible] pyrox [illegible] [illegible]
[illegible] common ([illegible]) [illegible]
[illegible] [illegible] [illegible] [illegible] taste. A
[illegible] dyke ([illegible]) 18" wide [illegible]
the shear, [illegible] 20' N. [illegible] [illegible]
[illegible] [illegible] [illegible] of [illegible]
[illegible] [illegible] [illegible] [illegible]

black of stz [illegible]- green gneiss. Much
sign of [illegible] at head of melt lake,
many [illegible] weathering ē lemon
yellow or yellow brown stains.
Orange [illegible] ē [illegible]
[illegible] Also traces
of copper in the gabbro [illegible]
esp. where pyroxenite. Several
[illegible] seen on west side
of [illegible]. Dip of country
is 30°-45° N [illegible], on
ridge N.E. of melt lake Dip varies
bet 60° + 30°.
On plateau S.W. of melt lake,
[illegible] is [illegible].
Large boulders (> 6') are not common.
Moraine would be about 35%
boulders (6"-6') mostly abt 18"
[illegible], 30% pebbles (1"-6")
20% [illegible] and 10% fine sand
< 1/16". In places mud is common,
wet at the time, ē lichen common,
On the valley S.E. of melt lake is a
cirque, vertical walls [illegible]
[illegible] lake level. A small

(p. 12)

(p. 67)

605.
+ some small names of spiders.

MID

Amundsen Bay 23/11/58.
Hill North of camp

Rocks are alternating gabbro gneiss and qtz. felsp. gneiss N 35° (mag) 45 S. In parts of the gabbro are lumps of cg. blue qtz; in one place a lens 1 ft across of ?lt bm ? pyrox green pyrox + small biot. flakes (spec)
At one end is a mass of the cg. lt bm ? pyrox. Whole mass is surrounded by blue cg. qtz.
Several small shears fail to strike, + some small basalt dykes a couple of inches across. (or ? pseudotachylite - spec of frag on surface near dyke but 1 ft wide).
In one place the qtz felsp. gneiss cont large bm. garnets!
Copper staining seen in several places.
Veins of bluish purple qtz fairly common; these often cont felsp. + sometimes garnets, + they grade into a garnet + qtz + qtz felsp. gneiss. In one place, a qtz vein sends offshoots into a

band of qtz felsp green gneiss; the offshoot contains gt. pyrox xls, especially tip. Spec of qtz felsp green gneiss.

On point at S.W. corner of pond there is local disturbance prob. mainly faulting. Str. swings to N 20 W; in one place, though dip is same. Several small shears N 70 W 80 S. Masses of blue qtz are common, and there are also lenses of pyrox & some felsp and of almost pure garnet. Here these and also some bands of typical qtz felsp green gneiss, & called here garnet contact.

½ mile E [illegible] there is a line 2% [illegible] the gt. [illegible] colored pyrox [illegible] [illegible] and [illegible] [illegible] contact rocks. Spec on [illegible]

Admiralty Bay 2/1/58.
"Thiele Range."

Rocks at foot of ascent edge N 30 mag 40 S. Qtz [illegible] gneiss with [illegible] small [illegible]. Higher up ridge (i.e. higher stratigraphically) [illegible] are gab. [illegible], foliated [illegible], and with some banding due to different grain size, esp in the lower part (022) [illegible] the notches in the ridge rock becomes [illegible] the [illegible] (023) at the [illegible] showing [illegible] [illegible] N 25° mag and these [illegible] [illegible] [illegible]. [illegible] all [illegible] [illegible] [illegible] of rock.

@ 20 [illegible] (024) [illegible]
Banded rocks on NE side of bluff [illegible] of camp N 185, 05° W (mag).

On [illegible] N.E. corner of Dom. Bay is a [illegible] of [illegible] a distinctly green colour. In a depression in rocks are lots of radiation. A couple of hundred feet across.
In rock horseshoe at east end of [illegible] on S side of [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] melt water running out of the rock.

comp 3 is 280°, dip dir 30°S

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P2 [illegible]
[illegible]
[illegible]

Oct. L. L. 136.

On steep side of mountain [illegible] of
[illegible] rocks are [illegible] mostly
a bluish grey [illegible] style c blue
spots [illegible] 1/3 inch [illegible]
[illegible]
There are also [illegible] xls +
bands [illegible] of a paler
[illegible] very like the
green [illegible] (spec). In bands a
style like this [illegible]
[illegible], and [illegible] staining which is
[illegible]
this (spec) [illegible] (spec)
bands [illegible] alternate with the
[illegible] bands, one [illegible]
[illegible] (photo)
In the [illegible]
from [illegible]
side of white, [illegible] style, c
scattered very pale pink [illegible].
There are also [illegible] of
? met basic dikes?, [illegible]

(aplite) ... concentrations of white ... along the edges + tongues of this ... go into the "gill" ... this ... are ... of ... Strike of rocks slightly variable, av. N 11-0 mag, 20 N.

At S.E. corner is a band of ... ... (aplite) at least 10 ft thick. Granite is mg. ... almost pure ... in central parts slightly ... + ... 40% feldsp within 6 inches of margin, which is sharp + consists of ... granite like that in the central part. This feldspathic ... is ... + ... only in one section. Thin tongues of ... go from band into adjoining ... ... schiste.

... ... is a ... mg ... strike 117 mag vertical, consisting of quartz + feldspar (aplite.)

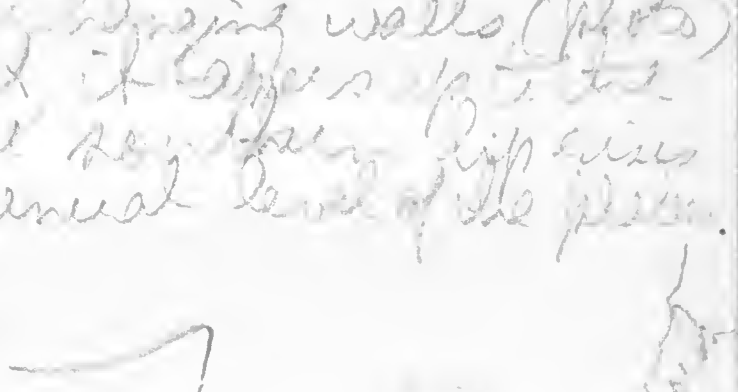
Country ... has ... undergone ... . Dyke

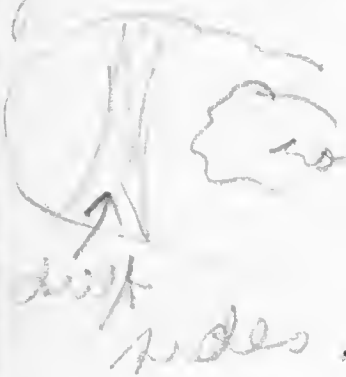
[illegible] 22. 18A. 1.2.58.

Rocks at [illegible] rock are [illegible]ish
qtz feldspar gneiss [illegible]
bands of [illegible] with [illegible]
[illegible] Strike 20°-50°
[illegible] & some small [illegible] of pyrox
[illegible] edges of mass, in some
patches are bands of white [illegible]
qtz & some red [illegible] staining
in joints & cracks. Rocks are all
[illegible].

Off [illegible] corner of [illegible] a
large hole with water or frozen
melt water in it. It looks like
a [illegible] pond with [illegible]
[illegible] overhanging walls (photo)
[illegible] [illegible] it [illegible]
[illegible] [illegible] rises
above the general level of the plain.

x sect. looking W.





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Rocks are mainly brown feldspathic granulites like those ... but ... numerous bands of gabbro gneiss but here ... size is more variable in both types, and ... a brown rather than ... colour. The ... type is common in the feldspathic, and a coarser, almost ... textured type, also ... (... apatite) the gabbro ... is the ... some rather coarser bands. There are also some bands of greenish ferric ... chlorite ... (...) ... occur near ... area near S.W. corner. At one place in the ... is a ... cont. ... with a green ? Amphibole (...). The ... are aggregated into groups and the whole is surrounded by a band of ... ... wide.

A few ... size ... occur along some horizons. ...

[illegible] a few [illegible]
of [illegible] minerals of the [illegible]
seen.
White [illegible] are very
common on the rocks in places
and some copper [illegible]
also. [illegible]
The [illegible] N 11° [illegible] 70N (max) +
N 90, 20 N [illegible], which is the
dominant one. In one place
the mg. gabbro grades into
pure pyroxenite (black mineral),
but only [illegible] seen.
Shear at S. W. corner strike N 11°
80 N. Rocks along it are crushed
+ converted to black mylonite.
The [illegible] in the gab. is chloritized
and the feldspar granulated. In
[illegible] the rock is converted
to [illegible] massive aggregate of [illegible]
and feldspar specks. A couple of
frags. of basalt? found (spec.).
[illegible] is common and
the [illegible] along the bands [illegible]
[illegible] zone itself is about 10 ft [illegible].

large ... figured with the irregular holes, which is prob. more or less in situ. On the flatter area polygons abt. 4 ft across are poorly developed with the coarser fragments around the margins. The coarsest frags are abt. 18" across, ē 6"-1 ft very common + ranging down to fine sand. Only possible exotic was a pink altered phyllosp. rock ē epidote films along jts. Occurred as several frags. in one spot + could possibly be in situ. No rounded frags. of any sort seen.

[illegible] ... [illegible] in [illegible]k.

Ridge is summit [illegible] angular blocky fragments, [illegible] up to 18" across, a few larger. Goes down to fine sand in [illegible] areas. Soil polygons developed to varying degrees of perfection, [illegible]

about 20 feet across with steep sides and larger fragments up to 18" on outside, fine sand & gravel inside. A few outcrops in situ N 20 E dip 50° N. Some sheeting in places. Rocks in situ in moraine same as those seen this morning, schists predominating. Cu stains in places. Only new types seen were as float one of m. cs epidote, c sharp edge against its fdsp. rock (spec) and some schistose muscovite - epidote rock 10-12 c lenses of muscovite dispersed through pale green epidote.

Off S.W side of summit is a well developed U shaped glacial valley c moraine pile at its mouth.

Flat topped summits to south. Another to north (c glacial cirque in side) + less well developed to east of summit (photos). Alt of where dug abt 500 ft above plate at wand.

N.

thick white ice

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